

Dashboard Design

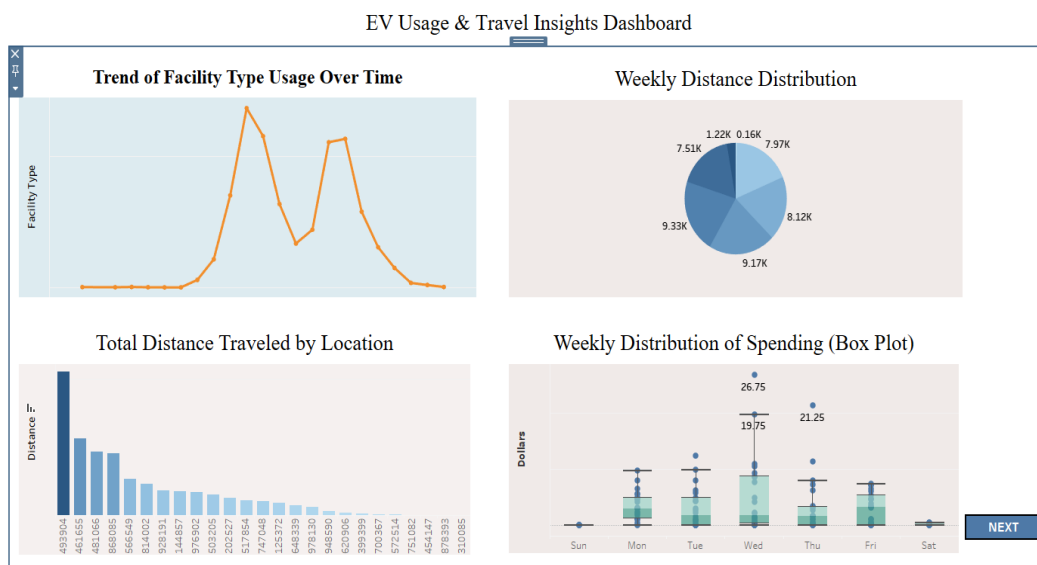
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| Date | 21 March 2024 |
| Team ID | LTVIP2025TMID26675 |
| Project Name | visualization tool for electric vehicle charge and range analysis |
| Maximum Marks | 5 Marks |

Creating an effective dashboard involves thoughtful design to ensure that the presented information is clear, relevant, and easily understandable for the intended audience. Here are some key principles and best practices for dashboard design

Activity 1: Interactive and visually appealing dashboards

Creating interactive and visually appealing dashboards involves a combination of thoughtful design, effective use of visual elements, and the incorporation of interactive features. Here are some tips to help you design dashboards that are both visually appealing and engaging for users so take care of below points

- Clear and Intuitive Layout
- Use Appropriate Visualizations
- Colour and Theming
- Interactive Filters and Slicers
- Drill-Down Capabilities
- Responsive Design
- Custom Visuals and Icons
- Use of Infographics



Based on the dashboard, here are some major outcomes:

- **Facility Type Usage Trend:** There is a noticeable spike in facility usage at certain times, indicating peak usage hours or days.
- **Weekly Distance Distribution:** Most users travel moderate distances, with a clear distribution across different ranges.
- **Location-Based Travel:** Certain locations experience significantly higher travel distances, suggesting regional travel preferences or higher charging station usage.
- **Spending Pattern:** Spending is higher during the weekdays, particularly on Wednesday, likely due to increased commuting or travel needs.
- **Opportunity for Optimization:** Insights from the dashboard can help optimize charging station locations, manage load during peak times, and develop targeted incentives for off-peak usage.